In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1.   (Currently Amended) A triggering method for IP multimedia service control, comprising the steps of:

~~examining~~ recording a Session Initial Protocol (SIP) ~~response~~ request message received by a Serving Call Session Control Function (S-CSCF) ~~according to a set of response Filter Criteria (rFC);~~

examining a corresponding SIP response message received by the S-CSCF according to ~~the set of rFC~~ a set of response Filter Criteria (rFC), comprising specific responses triggering individual application services available from a service provider; and

re-issuing ~~a corresponding~~ the SIP request message to an application server designated by the rFC if the corresponding SIP response message matches Service Point Triggers (SPTs) of one of the rFC.

2.   (Currently Amended) The triggering method according to claim 1, further comprising setting up a list of SPTs of the rFC for matching the corresponding SIP response message.

3.   (Currently Amended) The triggering method according to claim 2, wherein the SPTs of the rFC are defined by:

SIP response code;

an SIP method of the ~~corresponding~~ SIP request message;

a content of a header field or request-URI of the ~~corresponding~~ SIP request message; and

a direction of the ~~corresponding~~ SIP request message.

4.   (Original) The triggering method according to claim 1, wherein the S-CSCF examines the SPTs of the rFC one by one according to their indicated priority.

5.   (Cancelled) ~~The triggering method according to claim 1, further comprising recording the SIP request message when the SIP response message matches the SPTs of the rFC.~~

6.   (Currently Amended) The triggering method according to claim 1, further comprising the steps of:

examining ~~an~~ the SIP request message received by the S-CSCF according to a set of initial Filter Criteria (iFC); and

re-issuing the SIP request message to ~~an~~ the application server designated by the iFC if the SIP request message matches Service Point Triggers (SPTs) of one of the iFC.

7. (Original) The triggering method according to claim 6, wherein the S-CSCF examines the SPTs of the rFC or iFC one by one according to their indicated priority.

8. (Original) The triggering method according to claim 1, wherein the rFC are stored in a Home Subscriber Server (HSS) as part of the user profile.

9. (Original) The triggering method according to claim 1, wherein the rFC are downloaded to the S-CSCF upon user registration.

10. (Original) The triggering method according to claim 1, wherein the application server is an SIP application server.

11. (Original) The triggering method according to claim 1, wherein the application server is an Internet Protocol (IP) Multimedia Service Switching Function (IP-SSF).

12. (Original) The triggering method according to claim 1, wherein the application server is an Open Service Access (OSA) Service Capability Server (SCS).

13.   (Currently Amended) The triggering method according to claim 1, wherein the triggering method is applied when the application servers are selected depending on a content of the <u>corresponding</u> SIP response message.

14.   (Currently Amended) The triggering method according to claim 13, wherein the <u>corresponding</u> SIP response message represents a connection status is line busy.

15.   (Currently Amended) The triggering method according to claim 13, wherein the <u>corresponding</u> SIP response message represents a connection status of destination unreachable or not found.

16.   (Currently Amended) The triggering method according to claim 13, wherein the <u>corresponding</u> SIP response message represents a connection status of call setup failure.

17.   (Currently Amended) An Internet Protocol (IP) multimedia subsystem, comprising:

a Serving Call Session Control Function (S-CSCF), receiving a <u>corresponding</u> Session Initial Protocol (SIP) response message, examining the <u>corresponding</u> SIP response message according to a set of response Filter Criteria (rFC), comprising specific responses triggering individual application services available from a service provider; and

an application server, receiving a ~~corresponding~~ SIP request message from the S-CSCF if Service Point Triggers (SPTs) of the rFC matches the <u>corresponding</u> SIP response message.

18.   (Currently Amended) The IP multimedia subsystem according to claim 17, wherein the SPTs of the rFC are defined by:

SIP response codes;

an SIP method of the ~~corresponding~~ SIP request message;

a content of any header field or request-URI of the ~~corresponding~~ SIP request message; and

a direction of the ~~corresponding~~ SIP request message.

19.   (Original) The IP multimedia subsystem according to claim 17, wherein the S-CSCF examines the SPTs of the rFC one by one according to their indicated priority.

20.   (Currently Amended) The IP multimedia subsystem according to claim 17, wherein the S-CSCF records the <u>a</u> ~~corresponding~~ SIP request message<u> to be</u> ~~issued~~ <u>re-issued to the application server designated by the rFC</u> when the <u>corresponding</u> SIP response message matches the SPTs <u>of one</u> of the rFC.

21.   (Currently Amended) The IP multimedia subsystem according to claim 17, wherein the S-CSCF examines ~~an~~ the SIP request message received by the S-CSCF according to a set of initial Filter Criteria (iFC) and ~~re-issuing~~ reissues the SIP request message to an application server designated by the iFC if the SIP request message matches Service Point Triggers (SPTs) of one of the iFC.

22.   (Original) The IP multimedia subsystem according to claim 21, wherein the S-CSCF examines the SPTs of the rFC or iFC one by one according to their indicated priority.

23.   (Original) The IP multimedia subsystem according to claim 21, wherein the S-CSCF selectively disables the function of examining the rFC.

24.   (Original) The IP multimedia subsystem according to claim 17, further comprising a Home Subscriber Server (HSS) for storing the rFC as part of the user profile.

25.   (Original) The IP multimedia subsystem according to claim 17, wherein the rFC are downloaded to the S-CSCF upon user registration.

26.   (Original) The IP multimedia subsystem according to claim 17, wherein the application server is an SIP application server.

27.   (Original) The IP multimedia subsystem according to claim 17, wherein the application server is an Internet Protocol (IP) Multimedia Service Switching Function (IP-SSF).

28.   (Original) The IP multimedia subsystem according to claim 17, wherein the application server is an Open Service Access (OSA) Service Capability Server (SCS).

29.   (Currently Amended) The IP multimedia subsystem according to claim 17, wherein the application servers are selected depending on a content of the <u>corresponding</u> SIP response message.

30.   (Currently Amended) The IP multimedia subsystem according to claim 29, wherein the <u>corresponding</u> SIP response message represents a connection status of line busy.

31.   (Currently Amended) The IP multimedia subsystem according to claim 29, wherein the <u>corresponding</u> SIP response message represents a connection status of destination unreachable or not found.

32.   (Currently Amended) The IP multimedia subsystem according to claim 29, wherein the <u>corresponding</u> SIP response message represents a connection status of call setup failure.